

WHAT IS CLAIMED IS:

1. An IP packet priority control system comprising:

the Internet operating under program control;
a terminal, a server, and a router connected

5 to said Internet; and

means for setting priority in an IP packet on
a session-by-session basis,

wherein an IP packet is transmitted and
received under priority control among said terminal, said
10 server, and said router.

2. The IP packet priority control system
according to claim 1, wherein said session comprises
sessions of a voice call, image data, and a JAVA applet
of a browser.

3. The IP packet priority control system
according to claim 1, wherein the priority in said IP
packet is set such that priority of control information
of a voice call is high, priority of image data of a
5 browser is low, and priority of a JAVA applet is
intermediate between said control information and said
image data.

4. The IP packet priority control system

according to claim 1, wherein said means for setting
priority in an IP packet performs setting on a session-
by-session basis in which a terminal or a server adds
5 priority parameter passing to a standard API rather than
on a port-by-port basis in which a router prioritizes
control information with QoS control.

5. The IP packet priority control system
according to claim 1, wherein said means for setting
priority in an IP packet performs setting such that, in a
terminal including an application layer, a SOCKET layer,
5 a TCP/UDP layer, an IP layer, and an interface layer,
said SOCKET adds priority parameter passing to a standard
API for use on the Internet.

6. The IP packet priority control system
according to claim 1, wherein said means for setting
priority in an IP packet performs setting such that, in a
server including an application layer, a SOCKET layer, a
5 TCP/UDP layer, an IP layer, and an interface layer, said
SOCKET adds priority parameter passing to a standard API
for use on the Internet.